

## CLAIMS

What is claimed is:

- Sub A17
1. A method for reading authorized data, with a network connection established among a system for reading authorized data, a terminal device and an application service provider, for allowing a user at the terminal device to obtain data generated by operating an application program system of the application service provider in the use of the system for reading authorized data, wherein the system for reading authorized data is pre-formed with a database used for storing the data generated by operating the application program system; the method comprising the steps of:
- (1) determining via the system for reading authorized data if a data-reading request is submitted by the user at the terminal device, wherein if the data-reading request is received by the system for reading authorized data, then step (2) is followed, or else, the step (1) is repeated;
  - (2) determining via the system for reading authorized data if data requested by the user is available stored in the database, wherein if no data requested by the user is available, then step (4) is followed, or else, step (3) is followed;
  - (3) retrieving the data requested by the user via the system for reading authorized data from the database, and displaying the retrieved data on a browser of the terminal device; then, repeating the step (1);
  - (4) submitting a data-downloading inquiry via the system for reading authorized data to the application service provider according to the data-reading request submitted by the user;
  - (5) determining via the system for reading authorized data if the data requested by the user are transmitted from the application service

- provider, wherein if no data requested by the user is received by the system for reading authorized data, then the step (4) is repeated, or else, step (6) is followed; and
- (6) downloading the requested data transmitted from the application service provider via the system for reading authorized data to the database for storage, and then repeating the step (3).
2. The method of claim 1, wherein in the step (4), the system for reading authorized data generates a data-reading inquiry to the application service provider in a request for comment (RFC) manner, so as to allow the application service provider to search in a database server thereof for data corresponding to a RFC document number in the data-reading inquiry.
  3. The method of claim 1, wherein in the step (6), the system for reading authorized data processes the requested data transmitted from the application service provider to be in the form of tables, and downloads the tables to the database for storage.
  4. The method of claim 1, wherein the application program system of the system for reading authorized data is an enterprise resource planning (ERP) system.
  5. The method of claim 1, wherein the system for reading authorized data is constructed in a server host.
  6. The method of claim 1, wherein the system for reading authorized data and the application service provider are constructed in world wide web.
  7. A system for reading authorized data, with a network connection established among a system for reading authorized data, a terminal device and an application service provider, for allowing a user at the terminal device to obtain data generated by operating an application program system of the application service provider; the system comprising:

a database for storing the data generated by operating the application program system of the application service provider;

a processing module for receiving a data-reading request submitted by the user at the terminal device, and searching in the database for data requested by the user according to the received data-reading request, wherein if no data requested by the user is available searched, the processing module submits a data-reading inquiry to the application service provider according to the received data-reading request; and

a downloading module for processing the data requested by the user when the processing module receiving the requested data transmitted from the application service provider, and storing the processed data in the database to be read by the user at the terminal device.

8. The system of claim 7, wherein the system for reading authorized data generates the data-reading inquiry to the application service provider in a request for comment (RFC) manner, so as to allow the application service provider to search in a database server thereof for data corresponding to a RFC document number in the data-reading inquiry.
9. The system of claim 7, wherein the downloading module processes the requested data transmitted from the application service provider to be in the form of tables, and downloads the tables to the database for storage.
10. The system of claim 7, wherein the application program system of the system for reading authorized data is an enterprise resource planning (ERP) system.
11. The system of claim 7, wherein the system for reading authorized data is constructed in a server host.
12. The system of claim 7, wherein the system for reading authorized data and the application service provider are constructed in world wide web.